Title (en)
DYNAMIC SELECTION OF ELEVATOR CALL ASSIGNMENT SCAN DIRECTION

Publication
EP 0357936 B1 19930303 (EN)

Application
EP 89113853 A 19890727

Priority
US 23894188 A 19880831

Abstract (en)
[origin: EP0357936A1] A method of assigning hall calls to a plurality of elevator cars which biases the assignment process to balance the number of cars serving up and down service directions. Prior to each call assignment update the method determines the number of cars serving each service direction (78, 80, 82). A predetermined relationship (88) between these two numbers is used to determine if up hall calls should be assigned first, or down hall calls (90, 92, 94, 96). The balancing of cars serving the two service directions lowers the average waiting time, and it results in dispersing the cars throughout a building when service subsides, to enable prompt service for newly entered calls without the necessity of moving the cars during periods of low service to be in position for new calls.

IPC 1-7
B66B 1/18

IPC 8 full level
B66B 1/18 (2006.01); B66B 1/20 (2006.01); B66B 1/24 (2006.01)

CPC (source: EP US)
B66B 1/2458 (2013.01 - EP US); B66B 2201/102 (2013.01 - EP US); B66B 2201/211 (2013.01 - EP US); B66B 2201/226 (2013.01 - EP US)

Cited by
EP0572229A1

Designated contracting state (EPC)
AT CH DE ES FR GB IT LI

DOCDB simple family (publication)
EP 0357936 A1 19900314; EP 0357936 B1 19930303; AT E86225 T1 19930315; CA 1300770 C 19920512; DE 68905116 D1 19930408; DE 68905116 T2 19930715; ES 2040420 T3 19931016; US 4875554 A 19891024

DOCDB simple family (application)
EP 89113853 A 19890727; AT 89113853 T 19890727; CA 608788 A 19890818; DE 68905116 T 19890727; ES 89113853 T 19890727; US 23894188 A 19880831